cwfig.doc 16 March 2000

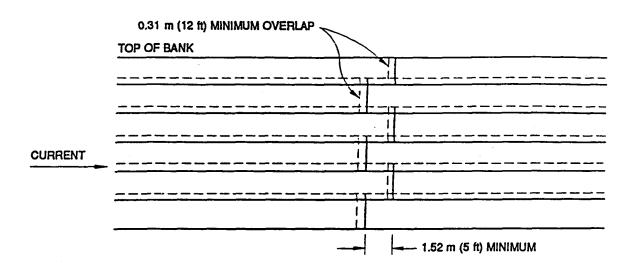
U.S. Army Corps of Engineers Guide Specifications Graphics for Civil Works

02378 GEOTEXTILES USED AS FILTERS

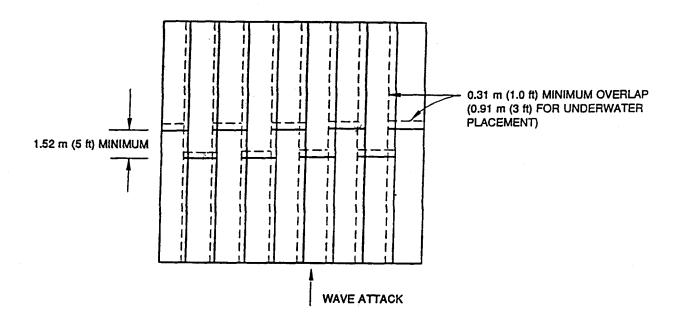
- Fig. 1 Correct Fabric Placement for Current Acting Parallel to Bank or for Wave Attack on the Bank
 - Fig. 2 Placement of Filter Fabric on Bank Subject to Streamflow Action
- Fig. 3 Filter Fabric on Bank Subject to Wave Attack Showing Placement of Vertical-Wall Key Trench at Toe and Top Bank
- Fig. 4 Key Trench Design Used When Soil Conditions do not Permit Construction of Vertical Walls

15131 SUBMERSIBLE PUMP, AXIAL-FLOW AND MIXED-FLOW IMPELLER-TYPE

- Fig. 2 Bearing RTD Installation
- Fig. 3 Axial Flow Pump and Mixed Flow Pump



a. Orientation for current acting parallel to bank



b. Orientation for wave attack normal to bank

Figure 1. Correct fabric placement for current acting parallel to bank or for wave attack on the bank

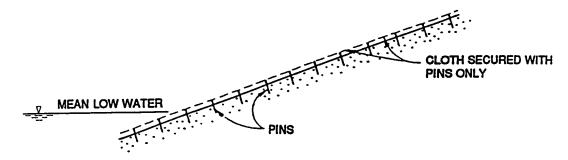


Figure 2. Placement of filter fabric on bank subject to streamflow action. Revetment materials have not yet been placed on the fabric.

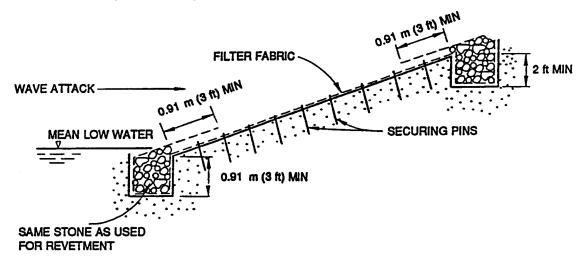


Figure 3. Filter fabric on bank subject to wave attack showing placement of vertical-wall key trench at toe and top bank.

Revetment materials have not yet been placed on fabric.

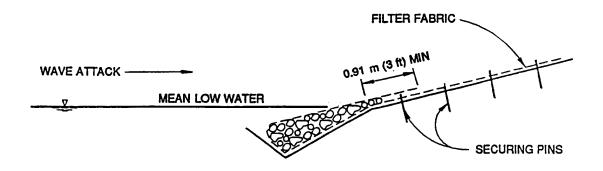
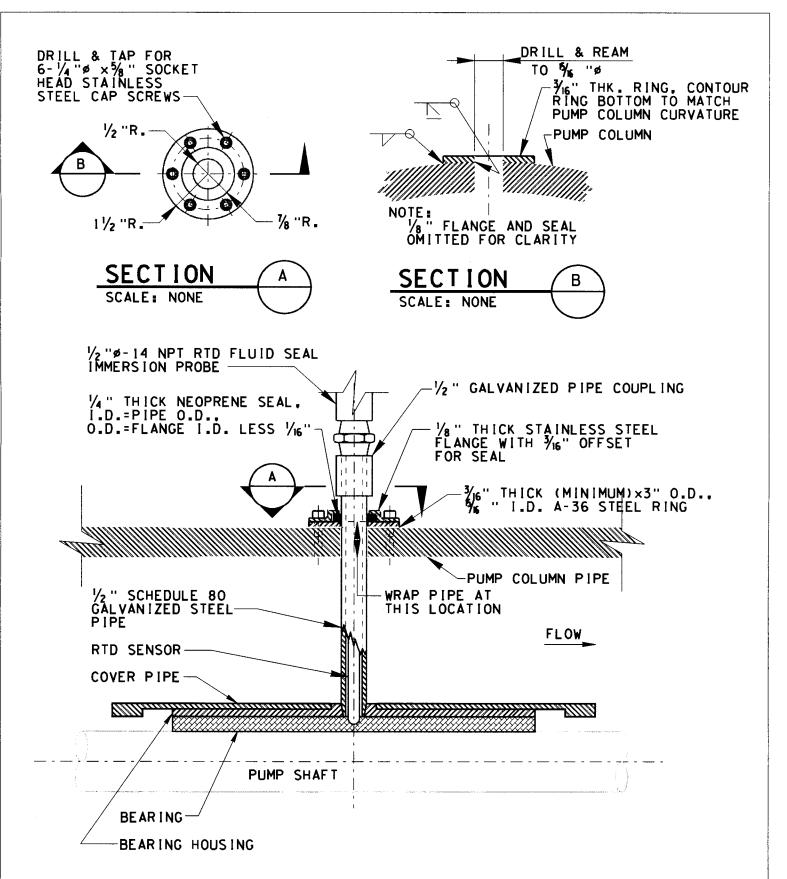
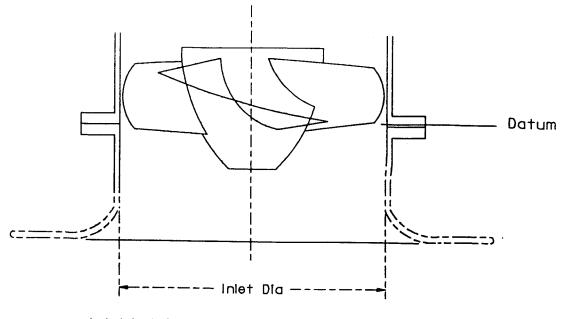


Figure 4. Key trench design used when soil conditions do not permit construction of vertical walls



BEARING RTD INSTALLATION

SCALE: NONE



AXIAL FLOW PUMP

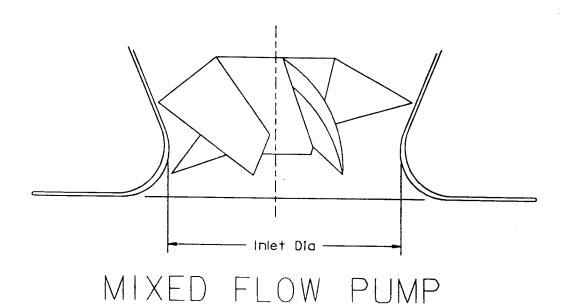


FIGURE 3